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Dr. VIKESH GURUDAS LADE (PhD Chemical Engineering)

Assistant Professor of Chemical Engineering

#### Academic Qualification

Sr. No.	Name of Degree	University Institute	Year
1	B. Tech. Chemical Enggg	Dr. Babasaheb Ambedkar Technological University, Lonere, Dist: Raigad, Maharashtra, India	2006
2	M. Chem. Engg.	Mumbai University Institute of Chemical Technology, Matunga (E), Mumbai, Maharashtra, India	2009
3	Ph. D. Chemical Engineering	Institute of Chemical Technology, Matunga (E), Mumbai - 400 019, Maharashtra, India	2014

#### List of Publications:

- 1) **Lade, V.G.**, Rathod, V.K., Bhattacharya, S., Manohar, S., Wattal, P.K., 2012. Comparison of normal phase operation and phase reversal studies in a pulsed sieve plate extraction column. **Chemical Engineering Research and Design**, 91 (6), 1133–1144. ISSN No.: 0263-8762, Impact Factor: 2.523. DOI: 10.1016/j.cherd.2012.11.005
- 2) **Lade, V.G.**, Pakhare, A.D., Rathod, V.K., 2014. Mass Transfer Studies in Pulsed Sieve Plate Extraction Column for the Removal of Tributyl Phosphate from the Aqueous Nitric Acid. **Industrial & Engineering Chemistry Research**. 53 (12), 4812-4820. ISSN No.: 0888-5885, Impact Factor: 2.567. DOI: 10.1021/ie401384j
- 3) Vetat, M.D., **Lade, V.G.**, Rathod, V.K., 2012. Extraction of ursolic acid from Ocimum sanctum leaves: Kinetics and modeling. **Food and Bioprocess Technology**, 90, 793–798. ISSN No.: 0960-3085, Impact Factor: 2.687. DOI: 10.1016/j.fbp.2012.07.003
- 4) Vetat, M.D., **Lade, V.G.**, Rathod, V.K., 2013. Extraction of ursolic acid from Ocimum sanctum by ultrasound: Process intensification and kinetic studies. **Chemical Engineering and Processing: Process Intensification**, 69, 24–30. ISSN No.: 0255-2701, Impact Factor: 2.154. DOI: 10.1016/j.cep.2013.01.011
- 5) Panadare D.C., **Lade, V.G.**, Rathod, V.K., 2014. Adsorptive removal of copper(II) from aqueous solution onto the waste sweet lime peels (SLP): equilibrium, kinetics and thermodynamics studies. **Desalination and Water Treatment**, 52 (40), 7822-7837. ISSN No.: 1944-3994, Impact Factor: 1.272. DOI: 10.1080/19443994.2013.831789
- 6) Kuperkar, V.V., **Lade, V.G.**, Prakash A., Rathod, V.K., 2014. Synthesis of isobutyl propionate using immobilized lipase Novozyme 435 in a solvent free system: optimization and kinetic studies. **Journal of Molecular Catalysis B: Enzymatic**, 99, 143-149. ISSN No.: 1381-1177, Impact Factor: 0.977. DOI: 10.1016/j.molcatb.2013.10.024
- 7) **Lade, V.G.**, Wankhede P.C., Rathod, V.K., 2015. Removal of Tributyl Phosphate from Aqueous Stream in a Pilot scale Combined Air–Lift Mixer–Settler Unit: Process Intensification studies, **Chemical Engineering and Processing: Process Intensification**, 95, 72-79. ISSN No.: 0255-2701, Impact Factor: 2.154. DOI: 10.1016/j.cep.2015.05.004
- 8) **Lade, V.G.**, Wankhede P.C., Rathod, V.K., 2017. Kinetics of Extraction of Tributyl phosphate (TBP) from Aqueous Feed in Single Stage Air-sparged Mixing Unit, **International Journal of Chemical Reactor**

## Book chapter

1. Lade, V.G., 2020. Chapter 23: Introduction of water remediation processes in "Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scaleup Issues A volume in Micro and Nano Technologies" Edited by Bhanvase B. A., Sonawane S. H., Pawade V. B., Pandit A. B. Elsevier, 2021, Pages 741-777
2. Birmod, R.P., Lade, V.G., Shambharkar, R.D., 2020. Chapter 21: Responsive membranes for wastewater treatment in "Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scaleup Issues A volume in Micro and Nano Technologies" Edited by Bhanvase B. A., Sonawane S. H., Pawade V. B., Pandit A. B. Elsevier, 2021, Pages 673-697

## Conference Publications

- Somkuwar, N.C., Kolhe, N.S., **Lade, V.G.**, Rathod, V.K., Pandey, N.K., Kamachi Mudali, U., Natarajan, R., poster entitled "Drop size and holdup studies in pulsed sieve plate column" presented at 2nd International Conference on **ASIAN NUCLEAR PROSPECTS 2010 (ANUP-2010)** organized by IGCAR, Kalpakkam and The Indian Nuclear Society at Maallapuram, Chennai, India (11-13 October 2010)
- **Lade, V.G.**, Rathod, V.K., presented a poster entitled "Hydrodynamic Studies in Pulsed Sieve-plate Extraction" in A Two-day seminar on "Challenges and Opportunities for Education and research for Development of Sustainable Chemical and Allied Industries" held at ICT Mumbai during May 11-12, 2011.
- Vetal, M.D., **Lade, V.G.**, Rathod, V.K., presented a poster entitled "Optimization and Kinetics of Ursolic Acid extraction from Ocimum sanctum" in International Conference on **NEW HORIZONS IN BIOTECHNOLOGY 2011 (NHBT2011)**.
- **Lade V.G.**, Pakhare A.D., Rathod V.K. presented a paper (oral) entitled "Mass transfer studies for the removal of TBP in pulsed sieve plate extraction column" in 65th Annual Session of Indian Institute of Chemical Engineers **CHEMCON-2012** held at NIT Jalandhar; December 27-30, 2012.
- **Lade V.G.**, Pakhare A.D., Rathod V.K. presented paper titled "Removal of Tributyl phosphate (TBP) in pulsed sieve plate extraction column" in 'Electica' (Paper presentation Event) of 6th **YOUNG RESEARCHER'S CONFERENCE** organized by ICT Mumbai, held during 12th to 13th January 2013 (**BEST PAPER AWARD**) Souvenir pp-26
- **Lade, V.G.**, Parasuram Gaddamedi, Rathod, V.K. presented a paper "Correlations for the drop size and dispersed phase hold-up in pulsed sieve plate extraction column" in International Conference on **Advances in Chemical Engineering (ACE 2013)** held at IIT Roorkee.